



KV-16AR

Base Unit, AC Type, 10 Inputs and 6 Relay Outputs



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

! This model has been discontinued. Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Base Unit, AC power supply type, Input 14 points/output 10 points, relay output - KV-N24AR](#)

Specifications

| | | | |
|-------------------------------------|--|---|---|
| Model | | KV-16AR | |
| Type | | AC power supply type base unit | |
| Input power supply voltage | Base unit | 100 to 240 VAC (± 10%) | |
| Allowable instantaneous outage time | | Less than 40 ms | |
| General specifications | Internal current consumption (24 VDC conversion value) | Base unit | 120mA or less |
| | | Expansion unit | KV-E4X 20mA or less KV-E8X 25mA or less KV-E16X 35mA or less KV-E4T 25mA or less KV-E8T (P) 40mA or less KV-E16T 60mA or less KV-E4R 40mA or less KV-E8R 70mA or less KV-E16TP 70mA or less KV-E4XT (P) 30mA or less KV-E4XR 45mA or less KV-E16R 110mA or less |
| | | Other | Operator panel KV-D20: 60 mA or less KL link adapter KL-N10V: 35 mA or less Programming console KZ-P3: 65 mA or less |
| Environmental resistance | Environmental resistance | Operating temperature range | 0 to 50°C 32 to 122°F (no freezing), 0 to 45°C 32 to 113°F (KZ-P3) |
| | | Operating ambient humidity | 35 to 85% RH (no condensation) |
| | | Ambient temperature for storage | -20 to 70°C -4 to 158°F (no freezing) |
| | | Withstand voltage | 1,500 VAC for 1 minute (between the power supply terminal and the I/O terminals and between all the external terminals and the case) |
| | | Noise resistance | 1,500 Vp-p or more, pulse width: 1 μs, 50 ns (by way of a noise simulator), conforms to EN standards (EN 61000-4-2/-3/-4/-6) |
| | | Shock resistance | Conforms to JIS C 0041, 150 m/s ² (15 G), operating time: 11 ms, 2 times in each of the 3 axial directions |
| Weight | Base unit | Approx 300g | |
| Insulation resistance | | 50 MΩ or more (tested with a 500 VDC megger, between the power supply terminal and the input terminal and between all the external terminals and the case) | |
| Environmental resistance | Ambient operating atmosphere | Minimal amount of dust and corrosive gas present | |
| Weight | Expansion unit | KV-E4X: Approx 80 g, KV-E8X: Approx 100 g, KV-E16X: Approx 130 g, KV-E4T: Approx 80 g, KV-E8T (P): Approx 100 g, KV-E16T (P): Approx 130 g, KV-E4R: Approx 100 g, KV-E8R: Approx 130 g, KV-E16R: Approx 190 g, KV-E4XT (P): Approx 100 g, KV-E4XR: Approx 120 g | |
| | Other | KZ-P3 Approx 230g KV-D20 Approx 160g KL-N10V Approx 80g | |

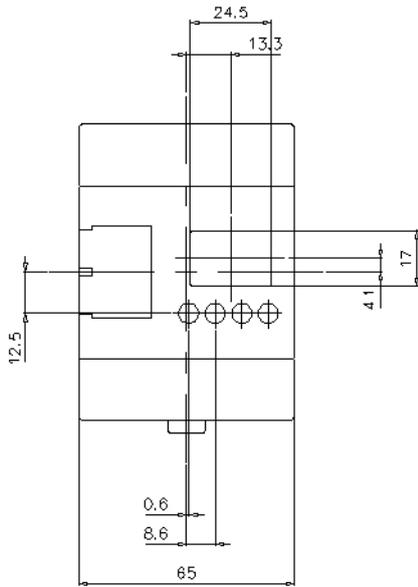
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|--|----------------------|------------------------|-------------------------|---------------------------------------|
| | Vibration resistance | Intermittent vibration | Frequency: 10 to 57 Hz | Amplitude: 0.075 mm ^{*1} |
| | | | Frequency: 57 to 150 Hz | Acceleration: 9.8 m/s ^{2*} 1 |
| | | Continuous vibration | Frequency: 10 to 57 Hz | Amplitude: 0.035 mm ^{*1} |
| | | | Frequency: 57 to 150 Hz | Acceleration: 4.9 m/s ^{2*} 1 |

^{*1} Conforms to JIS B 3502, IEC61131-2

Number of sweeps: 10 times respectively in the X, Y, and Z directions, 80 minutes

Dimensions

* Download CAD file or product manual for larger image/text and more detail.



Kv-16a

